

Heat exchanger with multiple exchanger blocks
with uniform fluid distribution supply line and
reboiler-condenser comprising such an exchanger

in the name of:

L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET
L'EXPLOITATION DES PROCEDES GEORGES CLAUDE

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ABSTRACT

In such an exchanger, in which the blocks have fluid inlet openings in communication with the interior space of a supply box which runs alongside the block and communicates with at least one analogous box of an adjacent block to form a fluid supply line, in order to even out the distribution of fluid between the openings of the blocks, the supply line contains at least one grating (30) leaving perforations (301) and solid parts (302) which are distributed in such a way as to create pressure drops which are such that the flow velocities of the fluid in the inlet openings downstream of the grating have similar values.

Figure 5.